

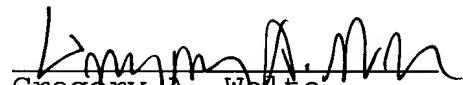
09/351,597
Art Unit 2155
Brassil-3

CONCLUSION

Applicant requests that the rejections to the claims be reconsidered and withdrawn.

Applicant expresses thanks to the Examiner for the careful consideration given to this case.

Respectfully submitted,



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ATTACHMENTS:

- 1) Petition to Revive,
- 2) Check for Petition fee,
- 3) Change of Correspondence Address,
- 4) Associate Power of Attorney,
- 5) Annotated Copy of Claim 1, and
- 6) Proposed Drawing Amendment (Figure 1).

WHAT IS CLAIMED IS:

1. An improved dynamic bandwidth allocation method in a reservation network comprising one or more users and at least one headend, wherein [one or more of said users] request respective allocations of bandwidth based on a state parameter of [said requesting user], said headend dynamically allocating bandwidth to one or more of said users in response to said respective requests, said headend responding to each of [said requesting users] with said allocated bandwidth, [said response] being delayed for a period of time which is a function of a reservation latency δ of said reservation system, said improvement comprising the step of scaling said state-based request by a factor of $1/\delta$.
2. The method of claim 1 wherein said state based request equals the size of a queue q_i of a user i and wherein said request for bandwidth by user i at time t equals q_i^t/δ .
3. The method of claim 1 wherein said reservation network includes memory available to a user i sufficient to store historical information about said state parameter of user i , the improvement further comprising the step of each user requesting at a time instant t an amount of bandwidth equal to the greater value as between the number of arrivals of cells at said user's queue, q_i , at said time instant t , (λ_i^t) and q_i^t/δ .



**PROPOSED
DRAWING
AMENDMENT**



J. BRASSIL 3

1/2

FIG. 1
PRIOR ART

